

**What is claimed is:**

1. A winding device of a winding wheel and a wire, comprising:

an elastically rotatable turning wheel capable of forward and reverse elastic rotations using a flexibly connected fixed shaft as an axis of rotation when accepting external forces; and having wheel breadths defined as a left wheel breadth and a right wheel breadth, at least two transverse wedge apertures disposed at appropriate positions of the wheel breadths, and an encircling groove formed at inner walls of the turning wheel; wherein, the turning wheel has a center opening thereof flexibly fastened around the fixed shaft; and

a continuous wire having an appropriate section thereof placed in the encircling groove, one end thereof guided out from one of the wedge aperture and the other end thereof guided out from the other wedge aperture, thereby defining left and right wires; wherein, the left wire is folded in a reverse direction at an exit of the wedge aperture and wound at the left wheel breadth, and the right wire is wound in a forward direction at the right wheel breadth; and

the characteristics thereof being that, a number of rounds of the left wire wound at the left wheel breadth is at least one more than that of the right wire wound at the right wheel breadth, such that when the

left and right wires are released from the left and right wheel breadths to having reached outer dead centers thereof, at least one round of basic coil of the left wire tightly binds around the left wheel breadth and remains unreleased.

- 5    2. The winding device of a winding wheel and a wire in accordance with claim 1, wherein a number of rounds of the right wire winded at the right wheel breadth is selectively at least one more than that of the left wire winded at the left wheel breadth, such that when the left and right wires are released to the dead centers thereof, a basic coil of the
- 10    right wire still tightly binds around the right wheel breadth and remains unreleased.